

DAILY HOMEWORK

CHEMISTRY

CLASS-IX

FM-10

- (a) Both assertion (A) and reason (R) are true and reason (R) is the correct explanation of assertion (A).
- (b) Both assertion (A) and reason (R) are true but reason (R) is not the correct explanation of assertion (A).
- (c) Assertion (A) is true but reason (R) is false.
- (d) Assertion (A) is false but reason (R) is true.

Q.1. Assertion: When a beam of light is passed through a colloidal solution placed in a dark place the path of the beam becomes visible.

Reason: Light gets scattered by the colloidal particles.

Q.2. Assertion: A mixture of benzoic acid and naphthalene can be separated by crystallization from water.

Reason: Benzoic acid is soluble in hot water but naphthalene is insoluble in hot water.

Q.3. Assertion: A solution of table salt in a glass of water is homogeneous.

Reason: A solution having different composition throughout is homogeneous

Very Short Questions (1X7=7)

1. Calculate the concentration of a solution which contains 2.5 g of salt dissolved in 50 g of water.
2. What is the concentration of a solution which contains 16 g of urea in 120 g of solution?
3. If 25 mL of acetone is present in 150 mL of its aqueous solution, calculate the concentration of solution.
4. What happens when the temperature of a saturated sugar solution is increased?
5. Choose one term from the following which includes the other three:
aerosol, emulsion, colloid, sol
6. Name the solvent you would use to separate a mixture of Sulphur and carbon.
7. Name the process you would use to separate a mixture of anthracene and copper sulphate?